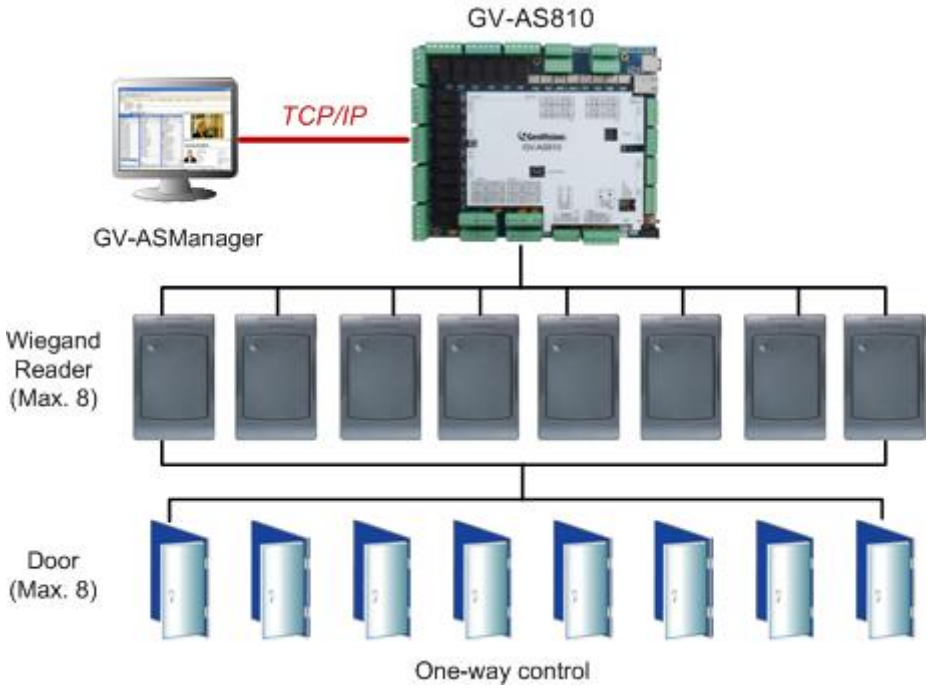
# GV-AS810 Controller

## KEY FEATURES

- Support 8 Wiegand card readers of 26 to 64 bits
- Support 8 GV-Readers and GV-GF Fingerprint Readers through RS-485 connection
- Built-in 16 inputs and 24 relay outputs
- Suitable for door, parking and elevator access control
- One-way control: 8 doors
- Two-way control: 4 doors by Wiegand, 8 doors by Wiegand and RS-485



## SPECIFICATIONS

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| CPU | 32-bit ARM7TDMI |
| Number of User Cards | 40,000 cards |
| Event Buffer | 1,000,000 events and log data |
| Power | AC 100~250 V , 50~60Hz |
| Reader Port | 8 Wiegand interfaces<br>1 RS-485 interface only for GV-Readers and GV-GF Fingerprint Readers (max. 8 GV-Readers) |
| Wiegand Interface | 26~64 Bit format |
| | 12V DC power supply, 200mA |
| Communication | TCP/IP |
| Input | 16 inputs, dry contact, NO / NC |
| Output | 24 relay outputs |
| Operating Temperature | 0 ~ 65 °C / 32 ~ 149 °F |
| Operating Humidity | 10% ~ 90% RH (non-condensing) |
| Dimension (W x H x T) | 210 x 187 x 40 mm / 8.27 x 7.36 x 1.57 in (case included) |
| Weight | 900 g / 2 lb (mounting plate included) |
| Certification | CE, FCC, RoHS |

## Options

Optional devices can expand the capabilities and versatilities of your GV-AS Controllers. Consult your sales representative for more information.

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|---|---|
| GV-Battery | The battery is an uninterruptible power supply (UPS) device, designed to supply GV-AS Controllers' power during power failure. For GV-AS100 / 110 / 120, GV-ASBox or GV-ASNet is required to use GV-Battery. |
| GV-Reader | The reader has both Wiegand and RS-485 outputs that can be connected to any standard access control panel. 125kHz and 13.56MHz GV-Readers are available. |
| GV-RK1352 | GV-RK1352 is a card reader with keypad that uses a 13.56 MHz frequency. The reader has both Wiegand and RS-485 outputs that can be connected to any standard access control panel. |
| GV-R1352 | GV-R1352 is a card reader that uses a 13.56 MHz frequency. The reader has both Wiegand and RS-485 outputs that can be connected to any standard access control panel. |
| GV-DFR1352 | GV-DFR1352 is a card reader that uses a 13.56 MHz frequency. The reader has both Wiegand and RS-485 outputs that can be connected to any standard access control panel. |
| GV-GF Fingerprint Reader | The reader supports three operation modes: Fingerprint Only, Fingerprint + Card and Card Only. In Fingerprint Only mode, the fingerprints are enrolled through GV-ASManager. In Fingerprint + Card mode, the fingerprint templates are stored on the user card. In Card Only mode, the users only need to swipe the card to be granted access. Readers with optical and capacitance sensors are available. |
| GV-CR420 | GV-CR420 is a card reader with a built-in 4MP wide angle IP camera. The card reader recognizes identification cards and transmits live view through network connection. |
| Cabinet | Only available for 400 / 810. With the cabinet, GV-AS Controllers can be mounted directly to a wall or recessed into the wall.<br>Two types of cabinet dimensions are available (W x H x D):<br>• 383.5 x 443.5 x 112.2 mm / 15.1 x 17.5 x 4.4 in<br>• 300 x 420 x 86 mm / 11.8 x 16.5 x 3.4 in |
| Push Button Switch | The push button switch can be integrated with access control system, allowing door exit by momentarily activating or deactivating the electric locking device. Both American standard and European standard push buttons are available. |
| GV-IB25 / 65 / 85 Infrared Button | The GV-IB25 / 65 / 85 Infrared Button detects infrared movement within 3 to 12 cm and allows you to open the door with a wave of hand. |
| Electric Lock | Three types of electric locks are available: electromagnetic lock, electric bolt and electric strike. |
| GV-AS ID Card & GV-AS ID Tag | GV-AS ID Cards and GV-AS ID Tags are ideal for business and residential environment, where access control is important for security reasons. 125 kHz and 13.56 MHz cards and tags are available. |